

Title (en)
ABERRATION-CORRECTING OPTICAL UNIT AND LASER MICROSCOPE

Title (de)
ABERRATIONSKORRIGIERENDE OPTISCHE EINHEIT UND LASERMIKROSKOP

Title (fr)
UNITÉ OPTIQUE DE CORRECTION D'ABERRATION ET MICROSCOPE LASER

Publication
EP 2887132 A1 20150624 (EN)

Application
EP 13879288 A 20130816

Priority

- JP 2012180420 A 20120816
- JP 2013072028 W 20130816

Abstract (en)
An aberration correction optical unit (3) disposed in an optical system includes: a first phase modulation element (3a) and a second phase modulation element (3c) each having a polarization characteristic; and a variable waveplate (3b) disposed between the first and second phase modulation elements so that an optical axis of the variable waveplate has a predetermined angle with respect to optical axes of the two phase modulation elements, in order to correct an aberration generated by the optical system.

IPC 8 full level
G02F 1/13 (2006.01); **G02B 21/00** (2006.01); **G02F 1/03** (2006.01)

CPC (source: CN EP US)
G02B 21/00 (2013.01 - US); **G02B 21/0068** (2013.01 - CN EP US); **G02B 21/0072** (2013.01 - CN EP US); **G02B 21/06** (2013.01 - US); **G02B 27/0031** (2013.01 - CN EP US); **G02B 27/0068** (2013.01 - EP US); **G02F 1/0136** (2013.01 - EP US); **G02F 1/1347** (2013.01 - US); **G02B 21/0024** (2013.01 - US); **G02B 21/0032** (2013.01 - US); **G02B 21/0092** (2013.01 - US); **G02F 1/13** (2013.01 - US); **G02F 2203/18** (2013.01 - EP)

Cited by
US9979586B2

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2887132 A1 20150624; **EP 2887132 A4 20160330**; **EP 2887132 B1 20191002**; CN 104583845 A 20150429; CN 104583845 B 20180424; JP 6265898 B2 20180124; JP WO2014027694 A1 20160728; US 2015293337 A1 20151015; US 9423600 B2 20160823; WO 2014027694 A1 20140220

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EP 13879288 A 20130816; CN 201380043341 A 20130816; JP 2013072028 W 20130816; JP 2014530574 A 20130816; US 201314421779 A 20130816